

AMENDMENTS TO THE SPECIFICATION

ON PAGES 4 – 5

IN ORIGINAL PARAGRAPH [0015] PLEASE AMEND THE SPECIFICATION WITH THE REPLACEMENT PARAGRAPH AS FOLLOWS:

[0015] The ejector nozzle dimensions are specified to accomplish the desired degree of air entrainment and fuel/air mixing within the ejector. The amount of air entrained and mixed with the fuel is directly proportional to the ejector inlet diameter. Typical dimensions for the ejector inlet diameter are equal to about 2 to about 3 times the diameter of the injected fuel plume as the fuel plume reaches the ejector inlet. The ejector length must be sufficient to accomplish effective fuel/air mixing within the length of the ejector. Typical ejector length dimensions are from about 1 to about 4 times the ejector inlet diameter. The distance of the injector inlet from the fuel jet exit must be sufficient to allow unobstructed flow of entrained air into the ejector. Typical injector inlet-to-fuel nozzle distances are 1 to 2 times the ejector inlet diameter. The ejector inlet further includes a fairing having a modest radius in order to provide a smooth transition into the nozzle to prevent flow separation and to provide unobstructed flow of entrained air into the ejector. The fairing used in the present embodiment may be in the form of a rolled edge providing an outwardly directed annulus, as shown in **FIGURE 1**, or the ejector itself may comprise the streamlined structure as shown in **FIGURE 2**. In this latter case the ejector is shown as an inverted funnel having a wedge-shaped cross-section which tapers to an apex at the outlet end and which comprises a radius across the width of the annular cross-section at each side of the opposite inlet end. Typical ~~fairing radius~~ width dimensions of the annular cross-section are about 0.25 to about 0.4 times the ejector inlet diameter. The ejector nozzle diameter diverges at a shallow angle to accommodate the spreading angle of the fuel/air jet, typically a half angle of about 7° to about 9° from the vertical.